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TITLE: ULTRAVIOLET-CURING COMPOSITION FOR COATING CAN

PUBN-DATE: June 8, 1999

INVENTOR-INFORMATION:

NAME

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TAKAMI, SEIJI

ASSIGNEE-INFORMATION:

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KANSAI PAINT CO LTD

APPL-NO: JP09320665

APPL-DATE: November 21, 1997

INT-CL (IPC): C09 D 163/00; B05 D 7/14; C09 D 5/00; C09 D 7/12; C08 G 65/08

ABSTRACT:

PROBLEM TO BE SOLVED: To obtain a composition curable by ultraviolet radiation and able to form a dry film excellent in coating film performance (such as workability and tight adhesiveness) and excellent in coated film appearance (such as leveling), by making the composition include an alicyclic epoxy compound, an oxetane ring-containing compound and a cationic polymerization initiator.

SOLUTION: This composition is prepared by including (A) 10-85 pts.wt. of a compound having an alicyclic epoxy group in a molecule (e.g. dicyclopentadiene dioxide), (B) 5-60 pts.wt. of a compound having an oxetane ring and expressed by the formula (R

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Ar₂I⁺ B(C₆F₅)₂⁺
alicy diepoxide
oxetane